

As the Cloud research assistant, you will work on various research activities and assist faculty and their students setup their computing environment on Keck Computational Science Center (CSC) private Cloud for their classes. You are also required to develop existing CSC web portal, perform unit testing, install software on VMs or virtual clusters, and publish CSC user guides or relevant technical documents.

The major responsibilities include:

1. Work with ITS to optimize system and identify system issues when the new Cloud system is on production;
2. Setup virtual computing environment for faculty and students who are in need of CSC compute resources;
3. Test cloud software functions and develop/customize a cloud portal website for Fresno users;
4. Write up user guides for faculty and students and publish relevant technical docs on CSC website;
5. Develop/Update/ Maintain CSC website using DHTML, CSS or GUI design software according to University Policy;
6. Perform on-site technical support for faculty if needed.

The Ideal candidate will also possess the following skills:

- Basic knowledge of Cloud computing and have hand-on experience of working with major IaaSs;
- Knowledge of major virtualization software, such as VMware, Xen, KVM;
- Have experience on Cloud-based software development;
- Excellent communication (oral and written), interpersonal, organizational, and presentation skills;
- Proficient programming on Java or Python;
- Basic knowledge of UNIX/Linux;
- Knowledge of Cloudstack and Openstack Cloud APIs is a plus;
- Previous web design experience is a plus;
- Self-motivated, detail-oriented and organized;
- Flexible time and be able to work independently and efficiently to meet deadlines.

Working HOURS: 5 hours per week

PAY RATE: \$15.00 per hour